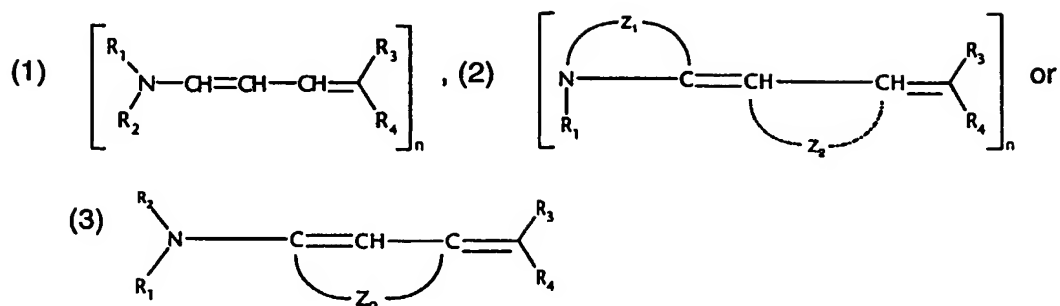


What is claimed is:

1. Use of a compound of formula



wherein

R_1 and R_2 are each independently of the other hydrogen; C_1 - C_{22} alkyl; cyclo- C_3 - C_8 alkyl; or unsubstituted or C_1 - C_6 alkyl- or C_1 - C_6 alkoxy-substituted C_6 - C_{20} aryl; or R_1 and R_2 together with the nitrogen atom linking them form a $-(CH_2)_m$ - ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; - $COOR_5$; - $CONHR_5$; - COR_5 ; or - SO_2R_5 ; - $CONR_1R_5$;

R_4 is a cyano group; - $COOR_6$; - $CONHR_6$; - COR_6 ; or - SO_2R_6 ; - $CONR_2R_6$;

R_5 and R_6 are each independently of the other C_1 - C_{22} alkyl; cyclo- C_3 - C_8 alkyl; or unsubstituted or C_1 - C_6 alkyl-substituted C_6 - C_{20} aryl;

or R_3 and R_4 together or R_5 and R_6 together form a 5- to 7-membered, monocyclic, carbocyclic or heterocyclic ring;

Z_1 and Z_2 are each independently of the other a $-(CH_2)_l$ - group which is uninterrupted or interrupted by -O-, -S-, or by - NR_7 -, and/or is unsubstituted or substituted by C_1 - C_6 alkyl;

R_7 is C_1 - C_5 alkyl;

l is from 1 to 4;

m is from 1 to 7;

n is from 1 to 4;

when $n = 2$, R_1 , R_5 or R_6 is a bivalent alkyl group; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a $-(CH_2)_m$ - ring;

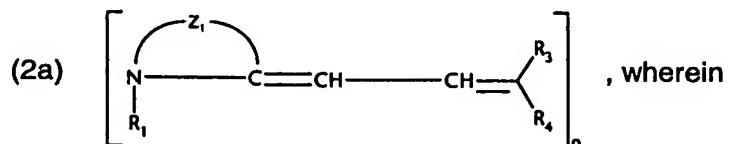
when $n = 3$, R_1 , R_5 or R_6 is a trivalent alkyl group;

when $n = 4$, R_1 , R_5 or R_6 is a tetravalent alkyl group; and

R_1 and R_2 in formula (1) are not simultaneously hydrogen;

in protecting human and animal hair and skin from UV radiation.

2. Use according to claim 1, relating to a compound of formula (1) or



R_1 and R_2 are each independently of the other hydrogen; C_1 - C_{22} alkyl; or unsubstituted or C_1 - C_5 alkyl- or C_1 - C_5 alkoxy-substituted C_6 - C_{20} aryl; or R_1 and R_2 together with the nitrogen atom linking them form a $-(\text{CH}_2)_m$ - ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; - COOR_5 ; - CONHR_5 ; - COR_5 ; or - SO_2R_5 ;

R_4 is a cyano group; - COOR_6 ; - CONHR_6 ; - COR_6 ; or - SO_2R_6 ;

R_5 and R_6 are each independently of the other C_1 - C_{22} alkyl; or unsubstituted or C_1 - C_5 alkyl-substituted C_6 - C_{20} aryl;

or R_5 and R_6 together form a 5- to 7-membered, monocyclic, carbocyclic or heterocyclic ring;

Z_1 and Z_2 are each independently of the other a $-(\text{CH}_2)_l$ - group which is uninterrupted or interrupted by -O-, -S-, or by - NR_7 -, and/or is unsubstituted or substituted by C_1 - C_5 alkyl;

R_7 is C_1 - C_5 alkyl;

l is from 1 to 4;

m is from 1 to 7;

n is from 1 to 4;

when $n = 2$, R_1 , R_5 or R_6 is a bivalent alkyl group; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a $-(\text{CH}_2)_m$ - ring;

when $n = 3$, R_1 , R_5 or R_6 is a trivalent alkyl group;

when $n = 4$, R_1 , R_5 or R_6 is a tetravalent alkyl group; and

R_1 and R_2 in formula (1) are not simultaneously hydrogen.

3. Use according to either claim 1 or claim 2, wherein

R_1 and R_2 are each independently of the other C_1 - C_{22} alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a $-(\text{CH}_2)_m$ - ring which is uninterrupted or interrupted by -O- or by -NH-;

R_3 is a cyano group; - COOR_5 ; - CONHR_5 ; - COR_5 ; or - SO_2R_5 ;

R_4 is a cyano group; - COOR_6 ; - CONHR_6 ; - COR_6 ; or - SO_2R_6 ;

R_5 and R_6 are each independently of the other C_1 - C_{22} alkyl; or C_6 - C_{20} aryl; and

Z is as defined in claim 1.

4. Use according to any one of claims 1 to 3, wherein

R₃ is a cyano group; and

R₄ is -CONHR₆; and

R₆ is C₁-C₂₂alkyl; or C₆-C₂₀aryl.

5. Use according to any one of claims 1 to 4, wherein

R₆ is C₄-C₂₀alkyl.

6. Use according to any one of claims 1 to 3, wherein

R₁ and R₂ are each independently of the other C₁-C₂₂alkyl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is uninterrupted or interrupted by -O- or by -NH-;

R₃ is -COOR₅;

R₄ is a cyano group; -COOR₆; or -SO₂R₆;

R₅ and R₆ are each independently of the other C₁-C₂₂alkyl; or C₆-C₂₀aryl; and

m is from 1 to 7.

7. Use according to claim 6, wherein

R₁ and R₂ are each independently of the other C₁-C₂₂alkyl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is uninterrupted or interrupted by -O- or by -NH-;

R₃ is -COOR₅;

R₄ is -COOR₆;

R₅ and R₆ are each independently of the other C₁-C₂₂alkyl; or C₆-C₂₀aryl; and

m is from 1 to 7.

8. Use according to claim 6, wherein

R₁ and R₂ are each independently of the other C₁-C₂₂alkyl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is uninterrupted or interrupted by -O- or by -NH-;

R₃ is -COOR₅;

R₄ is a cyano group;

R₅ is C₁-C₂₂alkyl; or C₆-C₂₀aryl; and

m is from 1 to 7.

9. Use according to claim 6, wherein

R_1 and R_2 are each independently of the other C_1 - C_{22} alkyl; or R_1 and R_2 together with the nitrogen atom linking them form a $-(CH_2)_m$ - ring which is uninterrupted or interrupted by -O- or by -NH-;

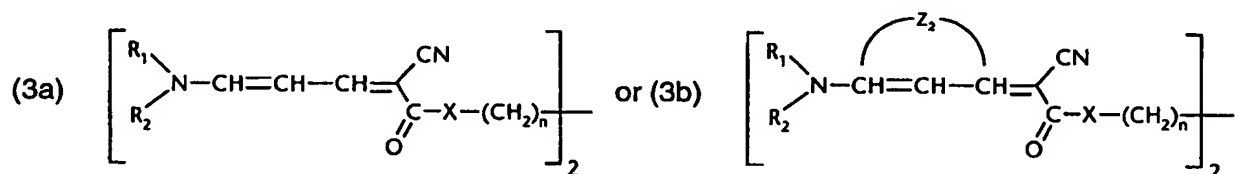
R_3 is $-COOR_5$;

R_4 is $-SO_2R_6$;

R_5 and R_6 are each independently of the other C_1 - C_{22} alkyl; or C_6 - C_{20} aryl; and

m is from 1 to 7.

10. Use according to either claim 1 or claim 2, which comprises using a compound of formula



wherein

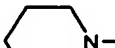

R_1 and R_2 are each independently of the other C_1 - C_{22} alkyl; or R_1 and R_2 together with the 2 nitrogen atoms linking them form a $-(CH_2)_m$ - ring;

X is -O-; or -NH-;

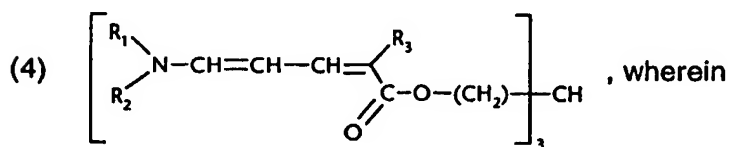
Z_2 a $-(CH_2)_r$ group which is uninterrupted or interrupted by -O-, -S-, or by -NR₇-, and/or is unsubstituted or substituted by C_1 - C_6 alkyl; and

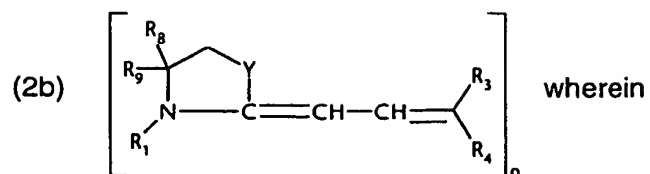
n is from 1 to 3.

11. Use according to claim 10, wherein

R_1 and R_2 are each independently of the other C_1 - C_{22} alkyl; or R_1 and R_2 together with the nitrogen atom linking them form the radical  ; or .

12. Use according to claim 1, which comprises using a compound of formula





R₈ and R₉ are each independently of the other hydrogen; or C₁-C₅alkyl; and

Y is -O-; -S-; oder -CH₂-;

and

R₁, R₃, R₄ and n are as defined in claim 1.

18. Use according to claim 17, wherein

R₁ is C₁-C₁₂alkyl;

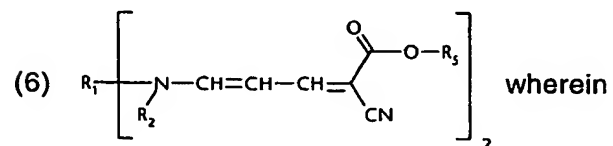
R₃ is a cyano group; -COOR₅; -COR₅; or -SO₂R₅;

R₄ is -COR₆; or -COOR₆;

R₅ and R₆ are each independently of the other unsubstituted or C₁-C₅alkyl- or C₁-C₅alkoxy-substituted C₆-C₂₀aryl.

19. A cosmetic preparation comprising at least one or more compounds of formula (1) or (2) according to claim 1 with cosmetically acceptable carriers or adjuvants.

20. A compound of formula



R₁ is C₁-C₄alkylene;

R₂ is C₁-C₅alkyl; or R₁ and R₂ together with the 2 nitrogen atoms linking them form a -(CH₂)_m- ring;

R₅ is C₁-C₂₂alkyl;

m is from 1 to 7.